

FORTHCOMING PUBLICATIONS

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Proceedings of National Conference on Lasers and their Applications in Basic and Applied Sciences (NCLBAS-2005) held at Department of Physics, Visva-Bharati, Santiniketan-731 235, India during January 10-13, 2005

Confocal laser scanning microscopy and laser light scattering applications in soft matter and technological materials

BAJDEV RAJ AND BVR TATA

Mixedness and entanglement of an analytically solvable time-dependent ion-field interaction

M R B WAHIDDIN, M ABDEL-ATY, H F ABDEL -HAMMED AND A S F OBADA

Velocity selective resonances and electromagnetically induced transparency in atomic rubidium

SHRABANA CHAKRABARTI, AMITKIRAN PRADHAN, AMITAVA BANDYOPADHYAY, AYAN RAY, BISWAJIT RAY, DIPANKAR BHATTACHARYA AND PRADIP N GHOSH

Vibrational spectral studies on 2, 5 dichloroaniline

H C RAI, A B SHARAN AND SURENDRA RAI

A comparative study between Autler-Townes splitting and quenching of spontaneous emission

TULIKA TAMULY AND G D BARUAH

Photon-number distributions in the steady states of traditional and random lasers

V PERINOVA AND A LUKS

Laser guide artificial star for high resolution imaging

SWAPAN K SAHA

Estimation of random surface roughness using laser speckle

MUKESH KUMAR

Development of ultraviolet laser for disinfection of potable water

G C BHAR AND U CHATTERJEE

Nonclassical photon statistics in spontaneous Raman and in stimulated Raman processes

BISWAJIT SEN AND SWAPAN MANDAL

Damping effect on power loss in optical fibers due to higher order nonlinear term

SUNITA SHARMA, S K GHOSHAL AND DEVLINDRA MOHAN

A study on the propagation of a Gaussian soliton pulse through an optical fibre when dispersion is compensated accommodating the nonlinearity of the fibre media

PRASANTA MANDAL, HARIHAR BHOWMIK, DEBDUTI DE AND
SOURANGSHU MUKHOPADHYAY

Optical vortices produced by forked holographic grating and sign of their topological charge

RAVINDRA P SINGH, SANJOY ROYCHOWDHURY AND VIRENDRA K JAISWAL

Dynamic reactivity profiles of helium and neon atoms interacting with an intense laser field

UTPAL SARKAR AND PRAFIM KUMAR CHATTARAJ

Inverse variational problem for nonlinear equation in optics

B TALUKDAR

A mathematical criterion for single photon sources used in quantum cryptography

ANIRBAN PATHAK

Control of molecular dynamics in intense laser fields

M MOHAN, A MAAN AND P JHA